import math

#import sympy as sp

import numpy as np

import matplotlib.pyplot as plt

from scipy import optimize

import pylab

import scipy

'''import sympy as sp

x = sp.Symbol('x')

f = -0.2059264703592322\*2\*x+13.153235286675047

x = sp.solve(f)

print(x)'''

def func(x): # 需要拟合的函数

return 2\*-0.2059264703592322\*x+13.153235286675047

plt.figure()

plt.rcParams['font.sans-serif'] = ['KaiTi'] # 指定字体 KaiTi（楷体）

plt.rcParams['axes.unicode\_minus'] = False

x = np.linspace(5,62,1000)

y = func(x)

y0 = np.zeros(1000)

plt.plot(x,y,'p-',x,y0,'b--')

plt.xlabel('x',fontsize=20)

plt.ylabel('dR/dx',fontsize=20)

plt.savefig('关于销售额的导函数图像.png', dpi=1000)

plt.show()